

INTERNATIONAL SEARCH REPORT

/NL 02/00720

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N9/96

Rec'd PCT/PTO 06 MAY 2005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 088 887 A (DSM NV) 4 April 2001 (2001-04-04) cited in the application paragraph '0009! - paragraph '0011!; examples	1-16
X	CAO L ET AL: "Cross-linked enzyme aggregates: a simple and effective method for the immobilization of penicillin acylase" ORGANIC LETTERS, ACS, WASHINGTON, DC, US, vol. 2, no. 10, 18 May 2000 (2000-05-18), pages 1361-1364, XP002202388 ISSN: 1523-7060 page 1362, left-hand column, last line -right-hand column, last line; figure 2 -/--	1-16



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

1 July 2003

Date of mailing of the international search report

11/07/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CAO L ET AL: "CROSS-LINKED AGGREGATES OF PENICILLIN ACYLASE: ROBUST CATALYSTS FOR THE SYNTHESIS OF BETA-LACTAM ANTIBIOTICS" JOURNAL OF MOLECULAR CATALYSIS. B, ENZYMATIC, ELSEVIER, AMSTERDAM,, NL, vol. 4-6, no. 11, 22 January 2001 (2001-01-22), pages 665-670, XP001079507 ISSN: 1381-1177 page 666, right-hand column, paragraph 3; tables 1,2,4</p>	1-16
X	<p>LOPEZ-SERRANO P ET AL: "CROSS-LINKED ENZYME AGGREGATES WITH ENHANCED ACTIVITY: APPLICATION TO LIPASES" BIOTECHNOLOGY LETTERS, KEW, SURREY, GB, vol. 24, no. 16, August 2002 (2002-08), pages 1379-1383, XP009003775 ISSN: 0141-5492 page 1379 -page 1380; tables 1,2</p>	1-16
A	<p>WO 00 40331 A (VANERDEN LYNN ;DALES CAMERON G (US); NIELSEN RALPH B (US); SAFIR A) 13 July 2000 (2000-07-13) abstract; figures 4,7 page 13, line 5 -page 14, line 28</p>	12-16

INTERNATIONAL SEARCH REPORT

Information on patent family members

T/NL 02/00720

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1088887	A	04-04-2001	EP 1088887 A1	04-04-2001
WO 0040331	A	13-07-2000	AU 2722700 A	24-07-2000
			AU 3742599 A	25-10-1999
			EP 1062033 A1	27-12-2000
			EP 1310791 A2	14-05-2003
			EP 1308722 A2	07-05-2003
			EP 1310789 A2	14-05-2003
			EP 1308723 A2	07-05-2003
			EP 1018002 A2	12-07-2000
			JP 2002501622 T	15-01-2002
			WO 0040331 A1	13-07-2000
			WO 9951980 A2	14-10-1999
			US 2003086822 A1	08-05-2003
			US 6536944 B1	25-03-2003
			US 6508984 B1	21-01-2003